

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Martin A. Reynolds,

Melissa Grace, Sudhakar Kadiyala, David Urbahns, Scott Bruder, Gregory

Collins, Laura J. Brown, Jeff Geesin, Pamela L. Plouhar, Catherine Smith and

John Siekierka

Application No.:

10/630,227

Group:

1615

Filed:

July 30, 2003

Examiner: Not yet assigned

Confirmation No.: 8291

For:

TRANS-CAPSULAR ADMINISTRATION OF HIGH SPECIFICITY

CYTOKINE INHIBITORS INTO ORTHOPEDIC JOINTS

CERTIFICATE OF MAILING OR TRANSMISSION

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TRANSMITTAL OF POWER OF ATTORNEY DOCUMENT AND

STATEMENT UNDER 37 C.F.R. § 3.73 (b)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Please find enclosed herewith an executed Power of Attorney document and executed Statement Under 37 C.F.R. § 3.73(b) for filing in the captioned application.

Please charge any fees that may be due in this matter to Deposit Account No. 08-0380. A copy of this letter is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

eighe E. Sanders

Deirdre E. Sanders

Registration No.: 42,122

Telephone: (978) 341-0036 Facsimile: (978) 341-0136

Concord, MA 01742-9133

Date:

March 2,2084

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

MAR 0 4 2004

AUTHORIZATION OF AGENT AND CORRESPONDENCE ADDRESS

Application Number	10/630,227
Filing Date	July 30, 2003
First Named Inventor	Thomas M. DiMauro
Confirmation Number	Not yet assigned
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	3518.1015-000

Title

TRANS-CAPSULAR ADMINISTRATION OF HIGH SPECIFICITY CYTOKINE INHIBITORS INTO ORTHOPEDIC JOINTS

Ι/We	e hereby a	appoint				
[X]		orneys/agents associated with	Customer No	o. 021005		
[]	Practiti	ioner(s) named below:	•	•		
				•		
appl	ny/our att lications t ewith.	orneys/agents to prosecute the hereof, and to transact all bus	e application in the U	dentified above, inclunited States Patent a	uding any contin and Trademark	nuation or divisional Office connected
The	correspo	ondence address for the above	e-identified app	olication is:		
[X]	Custon	ner Number 021005		•		
	Hamilto	on, Brook, Smith & Reynolds,	P.C.			
	530 Vi	rginia Road				
	P.O. B	ox 9133			J	
-	Conco	rd, Massachusetts 01742-91	33			
[]	Other					
	-					
Plea	se direct	all telephone calls and facsing	iles to:			
Nam	ne Alice	O. Carroll, Esq.	Tel. No	978-341-0036	Fax No	978-341-0136
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lam		· · · · · · · · · · · · · · · · · · ·				
[]	Applica	ant/Inventor.		•		
[X]	Authori A State	ized representative of the Ass ement under 37 C.F.R. §3.73(ignee, DePuy b) is enclosed.	AcroMed, Inc., of the	e entire interest.	See 37 C.F.R. § 3.71.
[]	Authori 37 C.F	ized representative of the Ass .R. § 3.73(b) is enclosed.	ignee, [], to	gether with [], of t	the entire intere	st. A Statement under
				or Assignee of Reco	ord	
Name	& Title	Thomas M. DiMauro, Esq.	Assistant S	ecretary		
Signa	iture	amou				
Date		2.20.04				

STATEMENT UNDER 37 C.F.R. § 3.73(b)

Appuez	1 no	mas M. DiMauro, Monamed Atta	wia, Hassan Sernan, Martin A. Reynolds, Menssa Grace	, Sudilakai Kaulyala,
David U	<u>Jrbahns,</u>	Scott Bruder, Gregory Collins, La	aura J. Brown, Jeff Geesin, Pam Plouhar, Catherine Smi	th and John Siekierka
Applica	tion No.	: 10/630,227	Filed: <u>July 30, 2003</u>	
For: TR	ANS-CA	APSULAR ADMINISTRATION	OF HIGH SPECIFICITY CYTOKINE INHIBITORS I	NTO ORTHOPEDIC
JO	INTS			
	DePuy	AcroMed, Inc.	, a <u>corporation</u>	
		(Name of Assignee)	(Type of Assignee, e.g., corporation, partnership, univers	nity, government agency, etc.)
states th	nat it is			
Α.	[X]	the assignee of the entire right, t	title and interest in the patent application identified above	re; or
B.		an assignee together with [above.] of the entire right, title and interest in the patent a	pplication identified
The rig	ht, title a	nd interest of the above-named as	signee in the patent application identified above is estab	lished by virtue of:
A. [X]	An assi and Tra	ignment from the inventors of the ademark Office at Reel	patent application identified above. The assignment wa, Frame, or a copy thereof is at	s recorded in the Patent tached.
OR				
B.[]	A chair	n of title from the inventor(s) of th	e patent application identified above, to the current assignment	gnee as shown below:
	1.	From:	То:	•
		The document was recorded in t	the Patent and Trademark Office at, or a copy thereof is attached.	,
	2.	From:	To:the Patent and Trademark Office at	
		The document was recorded in the Reel Frame	the Patent and Trademark Office at, or a copy thereof is attached.	
	3.		To:	
	J.	The document was recorded in t	the Patent and Trademark Office at, or a copy thereof is attached.	
	[] A	dditional documents in the chain o	of title are listed on a supplemental sheet.	
The unc	lersione	d (whose title is supplied helow) is	s authorized to act on behalf of the assignee.	
Date:		2 20 04	———	
Name:_	Thoma	s M. DiMauro		
Title:	Assista	int Secretary		
Signatu	re:	Thomas M Dillan	40	

ASSIGNMENT

COPY

<u>Joint</u>

WHEREAS, we, Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Martin A. Reynolds, Melissa Grace, Sudhakar Kadiyala, David Urbahns, Scott Bruder, Gregory Collins, Laura J. Brown, Jeff Geesin, Pam Plouhar, Catherine Smith and John Siekierka, have invented a certain improvement in TRANS-CAPSULAR ADMINISTRATION OF HIGH SPECIFICITY CYTOKINE INHIBITORS INTO ORTHOPEDIC JOINTS described in an application for Letters Patent of the United States,

[]	the specification of which is being executed on even date herewith and is about to be filed in the United States Patent Office (use for 37 CFR §1.53(b) filings only);
[X]	the specification of which was filed on July 30, 2003 as United States Application No. 10/630,227 ;
[]	the specification of which is the United States National Stage of International Application No. [PCT Appl'n No.], filed on [PCT Filing Date] [OPTION and assigned United States Application No. []] (use for 35 USC §371 filings only);
[]	which was patented under United States Patent No. [] on [].

WHEREAS, **DePuy AcroMed**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:	451cm
•	Thomas M. DiMauro
State/Commonwealth	•
of Massachusetts	-
County of Bristal	<u>. </u>
24th day of September	e-named Thomas M. DiMauro and bing instrument as his/her free act and deed this, 20 <u>03</u> Notary Public
(SEAL) Yaren M	1. Day (print name)
My Commission	expires 10 102 103

Inventor's Signature:
Mohamed Attawia
State/Commonwealth
of Mass
County of Bristol
Then personally appeared before me the above-named Mohamed Attawia and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this
Di i i i i i i
<u> </u>
My Commission expires <u>03 / 09 13 00</u>
Inventor's Signature:
Massan Serhan
State/Commonwealth
of Massachusetts
County of Suntal
Then personally appeared before me the above-named Hassan Serhan and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this day of, 20_3
(SEAL) Hatrices A loubles Notary Public
Patricia A. Hubler (print name)
My Commission expires <u>0810912007</u>

Inventor's Signa	ture:
_	Martin A. Reynolds
State/Commonw	vealth
of	Mass.
County of	Bristal.
701 14	
	appeared before me the above-named Martin A. Reynolds and hat he/she executed the foregoing instrument as his/her free act and deed this
	day of <u>September</u> 20 <u>63</u> .
(CEAL)	
(SEAL)	Tothers of Africa Notary Public
(32.2.7)	
	Patricia H. Hubber (print name)
(6.2)	Patricia H. Hubber (print name)
	Patricia H. Hubber (print name)
	Patricia H. Hubber (print name)
Inventor's Signat	Tateicia H. Hubbin (print name) My Commission expires 08 10912007
Inventor's Signat	My Commission expires O3 1 09 1 200) ture: Melissa Grace
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Inventor's Signat	My Commission expires O3 1 09 1 200) ture: Melissa Grace
Inventor's Signat State/Commonw of	My Commission expires O3 1091200) ture: Melissa Grace Wealth Machuse ttr
Inventor's Signate State/Commonw of County of Then personally	My Commission expires OB 10912007 Ture: Melissa Grace Melissa Grace Appeared before me the above-named Melissa Grace and acknowledged that
Inventor's Signate State/Commonw of County of Then personally	My Commission expires O8 1 09 1 2007 ture: Melissa Grace wealth Activate appeared before me the above-named Melissa Grace and acknowledged that the foregoing instrument as his/her free act and deed this 29 day

Inventor's Signature: S-Kaduyelu
Sudhakar Kadiyala
State/Commonwealth
of Mass
County of Bustal
Then personally appeared before me the above-named Sudhakar Kadiyala and acknowledged that he/she/executed the foregoing instrument as his/her free act and deed this And day of Aptimber, 2003. (SEAL) (SEAL) Notary Public Pallicia A Hullar (print name) My Commission expires 03 1 09 13007
Inventor's Signature: 9/26/03
David Urbahns
State/Commonwealth
State/Commonwealth of MASA
of Mass
$\mathcal{C}_{\mathcal{A}}$
of Mass
Of Mass County of Sustal Then personally appeared before me the above-named David Urbahns and acknowledged that he/she/executed the foregoing instrument as his/her free act and deed this
Then personally appeared before me the above-named David Urbahns and acknowledged that he/she/executed the foregoing instrument as his/her free act and deed this
County of

Inventor's Signatur		Scott Bruder
State/Commonwea	lth	
of /	Mass	
	Bristal	
County of	Bristal	· ·
Then personally an	, neared before me the above.	-named Scott Bruder and acknowl
he/she executed the	e foregoing instrument as his	s/her free act and deed this _346
of Septembe	<u> </u>	-) / -
(CEAL)	$()_{\pm}$	//// Netro-Dallin
(SEAL)	Janua X	Notary Public
	Tateria H.	Hibber (print name)
	My Commission 6	expires <u>08 09 300</u> 7
	<u> </u>	
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	That M.	ad ~
Inventor's Signature	May M. O.	May
Inventor's Signature	May M. O.	My Gregory Collins
State/Commonweal	e: Ally All	Maj
State/Commonweal	e: Allegry Alal	Maj
State/Commonweal	e: Ally All	Maj
State/Commonweal of Mas	e: Ally All	Maj
State/Commonweal of	e: Myby Hole Ith sachusetts ustol peared before me the above-	Gregory Collins
State/Commonweal of	e: Ally All Ith Sachusetts ustol peared before me the above- d, the foregoing instrument a	Gregory Collins
State/Commonweal of	e: Ally All Ith Sachusetts ustol peared before me the above- d, the foregoing instrument a	Gregory Collins
State/Commonweal of	e: Ally All Ith Sachusetts ustol peared before me the above- d, the foregoing instrument a	Gregory Collins

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Inventor's Signature:	
	Laura J. Brown
State/Commonwealth	
of	
County of	
	d before me the above-named Laura J. Brown and acknowledged foregoing instrument as his/her free act and deed this, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
Inventor's Signature: State/Commonwealth	Jeff Geesin
	Jeff Geesin
Inventor's Signature: State/Commonwealth of County of Then personally appeared	Jeff Geesin
Inventor's Signature: State/Commonwealth of County of Then personally appeared he/she executed the foregof	Jeff Geesin d before me the above-named Jeff Geesin and acknowledged that going instrument as his/her free act and deed this day
Inventor's Signature: State/Commonwealth of County of Then personally appeared he/she executed the foreg	Jeff Geesin d before me the above-named Jeff Geesin and acknowledged that going instrument as his/her free act and deed this day, 20
Inventor's Signature: State/Commonwealth of County of Then personally appeared he/she executed the foregof	Jeff Geesin d before me the above-named Jeff Geesin and acknowledged that going instrument as his/her free act and deed this day, 20 Notary Public

Inventor's Signature:	•
	Pam Plouhar
State/Commonwealth	
of	
County of	
	
Then personally appeared before	e me the above-named Pam Plouhar and acknowledged that
	astrument as his/her free act and deed this day
of,	20
(SEAL)	Notary Public
	(print name)
<u> </u>	Commission expires//
141)	Commission expires
•	
Inventor's Signature:	herine W. Smith Catherine Smith
Inventor's Signature:	herine W. Smith Catherine Smith
State/Commonwealth	herine W. Smith Catherine Smith
State/Commonwealth of	herine W. Smith Catherine Smith
State/Commonwealth	herine W. Smith Catherine Smith

Inventor's Signature:	
	John Siekierka
State/Commonwealth	
of MM	·
County of	
	efore me the above-named John Siekierka and acknowledged that ng instrument as his/her free act and deed this day 20
(SEAL)	Notary Public
	(print name)
	My Commission expires/

ASSIGNMENT ·

COPY

<u>Joint</u>

WHEREAS, we, Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Martin A. Reynolds, Melissa Grace, Sudhakar Kadiyala, David Urbahns, Scott Bruder, Gregory Collins, Laura J. Brown, Jeff Geesin, Pam Plouhar, Catherine Smith and John Siekierka, have invented a certain improvement in TRANS-CAPSULAR ADMINISTRATION OF HIGH SPECIFICITY CYTOKINE INHIBITORS INTO ORTHOPEDIC JOINTS described in an application for Letters Patent of the United States,

[]	the specification of which is being executed on even date herewith and is about to be filed in the United States Patent Office (use for 37 CFR §1.53(b) filings only);
[X]	the specification of which was filed on July 30 , 2003 as United States Application No. 10/630,227 ;
[]	the specification of which is the United States National Stage of International Application No. [PCT Appl'n No.], filed on [PCT Filing Date] [OPTION and assigned United States Application No. []] (use for 35 USC §371 filings only);
[]	which was patented under United States Patent No. [] on [].

WHEREAS, **DePuy AcroMed**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the

Inventor's Signature:

Thomas M. DiMauro

State/Commonwealth

of

County of

Then personally appeared before me the above-named Thomas M. DiMauro and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of ______, 20_____.

(SEAL)

Notary Public _____ (print name)

My Commission expires _____ /____/

Inventor's Signature:	
	Mohamed Attawia
State/Commonwealth	
of	
County of	
Then personally appeared	before me the above-named Mohamed Attawia and acknowledged
day of	regoing instrument as his/her free act and deed this
<u> </u>	
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
	Hassan Serhan
State/Commonwealth	Hassan Serhan
	Hassan Serhan
State/Commonwealth	Hassan Serhan
State/Commonwealth of County of	Hassan Serhan
State/Commonwealth of County of Then personally appeared I	Hassan Serhan Defore me the above-named Hassan Serhan and acknowledged that
State/Commonwealth of County of Then personally appeared the/she executed the forego	Hassan Serhan Defore me the above-named Hassan Serhan and acknowledged that ing instrument as his/her free act and deed this day
State/Commonwealth of County of Then personally appeared the/she executed the forego	Hassan Serhan Defore me the above-named Hassan Serhan and acknowledged that
State/Commonwealth of County of Then personally appeared the/she executed the forego	Hassan Serhan Defore me the above-named Hassan Serhan and acknowledged that ing instrument as his/her free act and deed this day
State/Commonwealth of County of Then personally appeared the/she executed the forego of	Hassan Serhan Defore me the above-named Hassan Serhan and acknowledged that ing instrument as his/her free act and deed this day, 20
State/Commonwealth of County of Then personally appeared the/she executed the forego of	Hassan Serhan Defore me the above-named Hassan Serhan and acknowledged that ing instrument as his/her free act and deed this day, 20 Notary Public (print name)
State/Commonwealth of County of Then personally appeared the/she executed the forego of	Pefore me the above-named Hassan Serhan and acknowledged that ing instrument as his/her free act and deed this day, 20 Notary Public

Inventor's Signature:	NA CLAD
State/Commonwealth	Martin A. Reynolds
acknowledged that he/sh	d before me the above-named Martin A. Reynolds and e executed the foregoing instrument as his/her free act and deed this20
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
<u></u>	Melissa Grace
Inventor's Signature: State/Commonwealth of	
<u></u>	
State/Commonwealth of County of Then personally appeared he/she executed the foreg	
State/Commonwealth of County of Then personally appeared he/she executed the foregof	d before me the above-named Melissa Grace and acknowledged that going instrument as his/her free act and deed this day
State/Commonwealth of County of Then personally appeared he/she executed the foreg	d before me the above-named Melissa Grace and acknowledged tha going instrument as his/her free act and deed this day, 20

Inventor's Signature:	
	Sudhakar Kadiyala
State/Commonwealth	
of	
County of	
	before me the above-named Sudhakar Kadiyala and acknowledged regoing instrument as his/her free act and deed this, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires/
Inventor's Signature:	
	David Urbahns
State/Commonwealth	
of	
County of	
Then personally appeared b he/she executed the foregoi	efore me the above-named David Urbahns and acknowledged that ng instrument as his/her free act and deed this day, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires / /

Inventor's Signature:		
	Scott B	ruder
State/Commonwealth		
of	·	
County of	· ·	
		Bruder and acknowledged that and deed this day
(SEAL)		Notary Public
		(print name)
	My Commission expires	-
	My Commission expires	
		•
Inventor's Signature:		
	Gregory	Collins
State/Commonwealth		
of		
County of		
Then personally appeared b	efore me the above-named Greg egoing instrument as his/her free	ory Collins and acknowledged act and deed this
(SEAL)		Notary Public
		(print name)
	My Commission expires	

Inventor's Signature:	Lamagroun	
State/Commonwealth	U Laura J. Brown	
	e² \/	
of New Jers County of Some	, se t	
that he/she executed th	ared before me the above-named Laura J. Bro ne foregoing instrument as his/her free act and, 20 <u>0 3</u> .	
(SEAL)	Victor F Janas (print	ry Public
,	Victor F Jangs (print	* # # # # # # # # # # # # # # # # # # #
	3-7-16	
	My Commission expires 12/28	
Inventor's Signature:		
-		
State/Commonwealth	My Commission expires 12/28 Seffrey C. Losson Jeff Geesin	
State/Commonwealth of New Je	My Commission expires 12/28 Seffrey C. Losson Jeff Geesin	
State/Commonwealth of New Je	My Commission expires 12/28 Seffrey C. Losson Jeff Geesin	
State/Commonwealth of New Je. County of Some Then personally appear he/she executed the for	My Commission expires	nd acknowledged that
	My Commission expires	nd acknowledged that I this 24 day

	Pam Plouhar
State/Commonwea	lth
of	
County of	
he/she executed the	peared before me the above-named Pam Plouhar and acknowledged the foregoing instrument as his/her free act and deed this
(SEAL)	Notary Public
	(nrint name)
	My Commission expires//
Inventor's Signatur	e:
_	e:Catherine Smith
State/Commonwea	e:Catherine Smith
State/Commonwea	c: Catherine Smith
State/Commonwea	e:Catherine Smith
State/Commonwea of County of Then personally ap that he/she execute	c: Catherine Smith
State/Commonwea of County of Then personally ap that he/she executed day of	Catherine Smith Ith Description of the above-named Catherine Smith and acknowledged the foregoing instrument as his/her free act and deed this
County of	Catherine Smith Ith Decared before me the above-named Catherine Smith and acknowledged the foregoing instrument as his/her free act and deed this, 20

Inventor's Signature:	Jala!	John Siel	kierka	
State/Commonwealth				
of New Jers	ey	<u> </u>		
of New Jers County of Somer	s et			
Then personally appeared he/she executed the forego				
(SEAL)	Victor F	Janas Janas	Notary Public (print name)	VICTOR F. JANAS NOTARY PUBLIC OF NEW JERSE
	My Commission	on expires 12	12817005	Commission Expires 12/28/201

ASSIGNMENT

COPY

Joint

WHEREAS, we, Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Martin A. Reynolds, Melissa Grace, Sudhakar Kadiyala, David Urbahns, Scott Bruder, Gregory Collins, Laura J. Brown, Jeff Geesin, Pam Plouhar, Catherine Smith and John Siekierka, have invented a certain improvement in TRANS-CAPSULAR ADMINISTRATION OF HIGH SPECIFICITY CYTOKINE INHIBITORS INTO ORTHOPEDIC JOINTS described in an application for Letters Patent of the United States,

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[X]	the specification of which was filed on July 30, 2003 as United States Application No. 10/630,227 ;
[]	the specification of which is the United States National Stage of International Application No. [PCT Appl'n No.], filed on [PCT Filing Date] [OPTION and assigned United States Application No. []] (use for 35 USC §371 filings only);
[]	which was patented under United States Patent No. [] on [].

WHEREAS, **DePuy AcroMed**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

In TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:

Thomas M. DiMauro

State/Commonwealth

of

County of

Then personally appeared before me the above-named Thomas M. DiMauro and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of ______.

(SEAL)

Notary Public _____ (print name)

My Commission expires ____ / ___ / ____

Inventor's Signature:	
State/Commonwealth	Mohamed Attawia
of	
County of	

	efore me the above-named Mohamed Attawia and acknowledged egoing instrument as his/her free act and deed this, 20
(SEAL)	Notary Public
	(print name)
-	My Commission expires / /
•	
	,
Inventor's Signature:	
	Hassan Serhan
State/Commonwealth	-
of	
County of	·
Then personally appeared be	efore me the above-named Hassan Serhan and acknowledged that ng instrument as his/her free act and deed this day
(SEAL)	Notary Public
	(print name)
	My Commission expires//

Inventor's Signature:	
	Martin A. Reynolds
State/Commonwealth	
of	
County of	· · · · · · · · · · · · · · · · · · ·
acknowledged that he/she	d before me the above-named Martin A. Reynolds and e executed the foregoing instrument as his/her free act and deed this
(SEAL)	Notary Public
	(print name)
	My Commission expires/
	wry Commission expires/
T	
Inventor's Signature:	Malian Cara
State/Commonwealth	Melissa Grace
of	
County of	
	before me the above-named Melissa Grace and acknowledged that oing instrument as his/her free act and deed this day
1997.2.200	
(SEAL)	Notary Public
(SEAL)	Notary Public (print name)
(SEAL)	

Y	
Inventor's Signature:	Sudhakar Kadiyala
State/Commonwealth	Sudnakai Kadiyala
of	
County of	
Then personally appeared	before me the above-named Sudhakar Kadiyala and acknowledged oregoing instrument as his/her free act and deed this
(SEAL)	Notary Public
	(print name)
	My Commission expires//
	The commission expires
Inventor's Signature:	
	David Urbahns
State/Commonwealth	
of	
County of	
	before me the above-named David Urbahns and acknowledged that bing instrument as his/her free act and deed this day, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires / /

Inventor's Signature:	
_	Scott Bruder
State/Commonwealth	
of	
County of	· · · · · · · · · · · · · · · · · · ·
Then personally appeared	d before me the above-named Scott Bruder and acknowledged that going instrument as his/her free act and deed this day
(SEAL)	Notary Public
·	(print name)
	My Commission expires//
Inventor's Signature:	
	Gregory Collins
State/Commonwealth	
of	
County of	
	before me the above-named Gregory Collins and acknowledged oregoing instrument as his/her free act and deed this
(SEAL)	Notary Public
	(print name)
	My Commission expires//

	Laura J. Brown
State/Commonwealth	
of	
County of	
	d before me the above-named Laura J. Brown and acknowledged foregoing instrument as his/her free act and deed this, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
	Jeff Geesin
State/Commonwealth	
State/Commonwealth of	
Inventor's Signature: State/Commonwealth of County of	
State/Commonwealth of County of Then personally appeared he/she executed the fores	
State/Commonwealth of County of Then personally appeared he/she executed the foregof	d before me the above-named Jeff Geesin and acknowledged that going instrument as his/her free act and deed this day
State/Commonwealth of County of Then personally appeared he/she executed the fores	d before me the above-named Jeff Geesin and acknowledged that going instrument as his/her free act and deed this day, 20 Notary Public
State/Commonwealth of County of Then personally appeared he/she executed the foregof	d before me the above-named Jeff Geesin and acknowledged that going instrument as his/her free act and deed this day, 20

•	
Inventor's Signature: _(Pamela & Reuhan
	Pam Plouhar
State/Commonwealth	PAMELA L. PLOCHAR 1/08/04
of Indiana	,
County of KODCill	nko
County of JCOAJECE	70,000
	ed before me the above-named Pam Plouhar and acknowledged that egoing instrument as his/her free act and deed this day
Inventor's Signature:	
	Catherine Smith
State/Commonwealth	
of	·
County of	
	d before me the above-named Catherine Smith and acknowledged foregoing instrument as his/her free act and deed this, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires / /
	wry Commussion expires/

Inventor's Signature:	
	John Siekierka
State/Commonwealth	
of	· · · · · · · · · · · · · · · · · · ·
County of	
	refore me the above-named John Siekierka and acknowledged that ng instrument as his/her free act and deed this day20
(SEAL)	Notary Public
	(print name)
	My Commission expires//